

ABSTRACT OF THE DISCLOSURE

[54] A multiprotocol label switching (MPLS) network is operated by establishing a label switched path (LSP) that connects a first provider edge (PE) label switched router (LSR) a second PE LSR, and a customer edge (CE) LSR. The packet traffic that is associated with a plurality of different layer two technologies is encapsulated with an MPLS label. The encapsulated traffic is securely routed from the first PE LSR through the second PE LSR to the CE LSR using the LSP.